

3034



C. & G. SURVEY,
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Department of Commerce and Labor
COAST AND GEODETIC SURVEY

O. H. Tittmann
Superintendent.

State: *Mass.*

DESCRIPTIVE REPORT.

Hydrographic Sheet No. *3034*

LOCALITY:

*Approaches to
Plymouth*

10,000

1909

CHIEF OF PARTY:

W. C. Hodgkins

B

3034

DEPARTMENT OF COMMERCE AND LABOR.

COAST AND GEODETIC SURVEY.

O) H. TITTMANN, SUPERINTENDENT.

Entrance to Plymouth, Mass.

C. & G. S. S. BACHE.

W. C. Hodgkins, Chief of Party.

Begun July 29, 1909.

Ended August 13, 1909.

Scale 1:10000.

Positions plotted by Wm. Sanger & S.S. Winslow.

Soundings, plotted by Wm. Sanger.

DESCRIPTIVE REPORT

to accompany Hydrographic Sheet No.

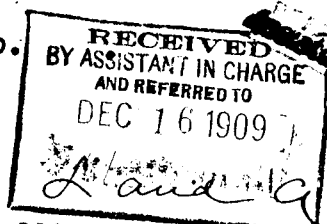
PLYMOUTH APPROACH, MASSACHUSETTS

Scale 1:10000

Surveyed between July 29 and Dec. 5, 1909.

by the party on the Steamer BACHE commanded by

Assistant W. C. Hodgkins.



COAST AND
GEOD. SURVEY
DEC 16 1909
Assistant in Charge

This examination covered certain portions of the approach to the harbors of Plymouth, Kingston and Duxbury.

After the examination had been completed, the platting showed two doubtful soundings in the fairway off the Gurnet.

While it was considered practically certain that these were due to an error by the recorder understanding the leadsman to call out five fathoms, when he really called nine, the soundings preceding and following these being respectively nine, two, and ten fathoms, which error was unfortunately not noted by the officer in charge of the boat, or by the recorder, it was thought best to try to check the depth at that point. This was prevented by bad weather or other causes until the day on which the ship left Boston for Monomoy when a few soundings were made in that vicinity without finding any indication of a shoal spot. It is therefore considered proper to reject the two soundings in question.

Tides were observed at Duxbury Pier, except that no observations were made in connection with the last day's work, the tide staff having been carried away by the autumn gales and lack of time interfering with establishing another, which was not thought especially essential in connection with this work of general verification.

Superintendent, No. 2.

Respectfully submitted,

W. E. Hodgkins

Assistant, Coast and Geodetic Survey,
Commanding.

To the Superintendent,

Coast and Geodetic Survey,

Washington, D. C.

December 14, 1909.

SHEET "E". STATISTICS.

| Date. | Letter | Vol. | Angles. | Soundings. | Miles. | Boat. |
|--------------|----------|------|---------|------------|--------|-----------------|
| 1909 | | | | | | |
| July 29. | <i>a</i> | 1 | 97 | 325 | 7.0 | Launch No. 31. |
| " 30. | <i>b</i> | 1 | 58 | 182 | 2.7 | " " |
| " 31. | <i>c</i> | 1 | 121 | 308 | 6.3 | " " |
| Aug. 13. | <i>d</i> | 1 | 148 | 275 | 6.6 | " " |
| TOTAL. 4 | 4 | 4 | 424 | 1090 | 22.6 | " " |
| Dec. 5. | <i>A</i> | 1 | 30 | 38 | 1.5 | Steamer BACHE". |
| Grand Total. | 5 | 1 | 454 | 1128 | 24.1 | |

V.E.C.
Jan.25,1910.

HYDROGRAPHIC SHEET NO. 3034.

Plymouth Entrance, Massachusetts, by Asst.
W.C.Hodgkins in 1909.

TIDES.

| | Duxbury Pier Light ft. |
|---|---------------------------|
| Mean low water, or plane of reference on staff | 0.3 |
| Lowest tide observed " " | -1.2 |
| Highest " " " " | 12.0 |
| Mean range of tides | 9.6 |

Coast and Geodetic Survey
JAN 25 1910
TIDAL DIVISION.

Applied 4/1911.
A.E.

Hyd Sheet 403034

July 14 1910.

The areas examined are well covered
the records ~~were~~ well kept and the soundings
plotted correctly.

H. L. Simons